

CONVEYOR BELT MODULES WITH EMBEDDED ROLLERS RETAINED IN THE MODULES AND ASSOCIATED METHOD

Abstract

A plastic conveyor belt module with embedded rollers retained in the module and a method for making such a module. The module includes a module body forming a cavity, a roller in the cavity, and a retainer received in the cavity to hold the roller rotatably in place. A salient portion of the roller extends outward from the cavity through the retainer past an outer surface of the module. The retainer is attached to the module body by ultrasonic welding, epoxy- or solvent-bonding, spin welding, electromagnetic welding, staking, screwing, or locking.